

Title (en)

DOUBLE LAYER HIGH POWER CAPACITOR COMPRISING A LIQUID ORGANIC ELECTROLYTE

Title (de)

DOPPELSCHICHT-SUPERKONDENSATOR MIT FLÜSSIGEM ORGANISCHEM ELEKTROLYT

Title (fr)

SUPERCONDENSATEUR DU TYPE DOUBLE COUCHE COMPRENANT UN ELECTROLYTE ORGANIQUE LIQUIDE

Publication

EP 0970496 A1 20000112 (FR)

Application

EP 98906976 A 19980205

Priority

- FR 9800211 W 19980205
- FR 9701351 A 19970206

Abstract (en)

[origin: US6671166B1] The invention concerns a high power capacitor ideally polarizable consisting of a positive electrode (2) and its current collector (4), a negative electrode (3) and its current collector (5), said electrodes comprising a carbon containing material with high specific surface area, a separator (6) and a non-aqueous liquid electrolyte impregnating said separator and said electrodes. The invention is characterised in that the non-aqueous liquid electrolyte is an organic solution of a sodium or potassium or alkalin-earth metal salt, on their own or mixed in a solvent containing an acid.

IPC 1-7

H01G 9/038; **H01G 9/058**

IPC 8 full level

H01G 9/00 (2006.01); **H01G 9/02** (2006.01); **H01G 11/58** (2013.01); **H01G 11/62** (2013.01)

CPC (source: EP US)

H01G 11/58 (2013.01 - EP US); **H01G 11/62** (2013.01 - EP US); **Y02E 60/13** (2013.01 - US)

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 6671166 B1 20031230; AT E268052 T1 20040615; AU 6298298 A 19980826; DE 69824160 D1 20040701; DE 69824160 T2 20050525; EP 0970496 A1 20000112; EP 0970496 B1 20040526; FR 2759211 A1 19980807; FR 2759211 B1 19990430; WO 9835369 A1 19980813

DOCDB simple family (application)

US 36719700 A 20000118; AT 98906976 T 19980205; AU 6298298 A 19980205; DE 69824160 T 19980205; EP 98906976 A 19980205; FR 9701351 A 19970206; FR 9800211 W 19980205